

## **IN THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (Currently Amended) A method for managing memory, comprising:  
maintaining a memory pool;  
specifying a specified amount of memory in the memory pool for allocation for a memory-requesting process;  
requesting a memory-releasing process to release a requested amount of memory in the memory pool;  
wherein the memory-requesting process is not necessarily the same process as the memory-releasing process.
2. (Currently Amended) A method for managing memory as recited in Claim 1, wherein the memory-releasing process operates in a garbage-collected environment.
3. (Currently Amended) A method for managing memory as recited in Claim 1, wherein the memory-releasing process is a Java process.
4. (Currently Amended) A method for managing memory as recited in Claim 1, wherein the memory-releasing process is a Java program.
5. (Cancelled)
6. (Original) A method for managing memory as recited in Claim 1, wherein the memory pool includes reserved memory.
7. (Original) A method for managing memory as recited in Claim 1, wherein the memory pool includes memory owned by a plurality of processes.
8. (Original) A method for managing memory as recited in Claim 1, wherein the memory pool includes a plurality of subpools.
9. (Original) A method for managing memory as recited in Claim 1, further comprising determining that the specified amount of memory is required for allocation.
10. (Currently Amended) A method for managing memory as recited in Claim 1, further comprising receiving a memory request from [[a]] the memory-requesting process for the specified amount of memory and determining that the specified amount of memory is required for allocation.

11. (Currently Amended) A method for managing memory as recited in Claim 1, ~~wherein the process is a releasing process;~~ and further comprising monitoring a monitored process and determining that the monitored process requires additional memory.
12. (Currently Amended) A method for managing memory as recited in Claim 1, ~~wherein the process is a releasing process;~~ and further comprising monitoring a monitored process and detecting a rate of garbage collection for the monitored process.
13. (Currently Amended) A method for managing memory as recited in Claim 1, ~~wherein requesting a process to release a requested amount of memory in the memory pool includes~~ further comprising selecting the memory-releasing process from a plurality of processes based on status information.
14. (Currently Amended) A method for managing memory as recited in Claim 1, wherein requesting ~~[[a]]~~ the memory-releasing process to release a requested amount of memory in the memory pool includes making a request via a system call.
15. (Currently Amended) A method for managing memory as recited in Claim 1, wherein requesting ~~[[a]]~~ the memory-releasing process to release a requested amount of memory in the memory pool includes making a request via an inter-process communication protocol.
16. (Original) A method for managing memory as recited in Claim 1, wherein the specified amount of memory is approximately equal to the requested amount of memory.
17. (Original) A method for managing memory as recited in Claim 1, wherein the requested amount of memory in the memory pool is freeable memory.
18. (Currently Amended) A method for managing memory as recited in Claim 1, further comprising refilling a subpool of the memory pool with the requested amount of memory released by the memory-releasing process.
19. (Currently Amended) A computer program product for managing memory, the computer program product being embodied in a computer readable medium and comprising computer instructions for:
  - maintaining a memory pool;
  - specifying a specified amount of memory in the memory pool for allocation for a memory-requesting process;
  - requesting a memory-releasing process to release a requested amount of memory in the memory pool;

wherein the memory-requesting process is not necessarily the same process as the memory-releasing process.

20. (Currently Amended) A memory management system, comprising:  
a memory pool;  
a processor coupled to the memory pool, configured to:  
maintain the memory pool;  
specifying a specified amount of memory in the memory pool for allocation for a memory-requesting process;  
request a memory-releasing process to release a requested amount of memory in the memory pool;  
wherein the memory-requesting process is not necessarily the same process as the memory-releasing process.
21. (Original) A method for managing memory, comprising:  
maintaining a memory pool;  
receiving status information from a plurality of processes; and  
managing memory among the plurality of processes using the status information.
22. (Original) A method for managing memory as recited in Claim 21, wherein managing memory among the plurality of processes includes allocating memory to one of the plurality of processes.
23. (Original) A method for managing memory as recited in Claim 21, wherein managing memory among the plurality of processes includes requesting one of the plurality of processes to release memory.
24. (Original) A method for managing memory as recited in Claim 21, wherein the status information includes status of freeable memory.
25. (Original) A method for managing memory as recited in Claim 21, wherein the status information includes efficiency of the process's garbage collector.
26. (Original) A method for managing memory as recited in Claim 21, further comprising requesting status information.
27. (Original) A method for managing memory as recited in Claim 21, wherein the status information is sent along with a memory allocation request.
28. (Original) A method for managing memory as recited in Claim 21, wherein the status information is received periodically.

29. (Original) A computer program product for managing memory, the computer program product being embodied in a computer readable medium and comprising computer instructions for:
- maintaining a memory pool;
  - receiving status information from a plurality of processes; and
  - managing memory among the plurality of processes using the status information.
30. (Original) A memory management system, comprising:
- a memory pool;
  - a processor coupled to the memory pool, configured to:
    - maintain a memory pool;
    - receive status information from a plurality of processes; and
    - manage memory among the plurality of processes using the status information.
31. (Currently Amended) A method for managing memory, comprising:
- determining an appropriate amount of committed memory in a memory pool;
  - maintaining [[a]] the memory pool;
  - determining that an amount of memory in the memory pool is required for allocation; and
  - allocating the required amount of memory from an uncommitted portion of the memory pool to a process.
32. (Original) A method for managing memory as recited in Claim 31, wherein determining that an amount of memory in the memory pool is required for allocation includes determining a request priority.
33. (Original) A method for managing memory as recited in Claim 31, wherein determining that an amount of memory in the memory pool is required for allocation includes receiving a request having an urgency level and determining a request priority based on the urgency level.
34. (Original) A method for managing memory as recited in Claim 31, wherein determining that an amount of memory in the memory pool is required for allocation includes determining whether the process includes memory collateral.
35. (Original) A method for managing memory as recited in Claim 31, wherein allocating the amount of memory to a process includes selecting the amount of memory from a subpool of the memory pool.

36. (Original) A method for managing memory as recited in Claim 31, wherein allocating the amount of memory to a process includes selecting the amount of memory from a subpool of the memory pool; further comprising refilling the subpool with released memory by the process.

37. (Currently Amended) A computer program product for managing memory, the computer program product being embodied in a computer readable medium and comprising computer instructions for:

determining an appropriate amount of committed memory in a memory pool;  
maintaining ~~[[a]]~~ the memory pool;  
determining that an amount of memory in the memory pool is required for allocation; and  
allocating the required amount of memory from an uncommitted portion of the memory pool to a process.

38. (Currently Amended) A memory management system, comprising:

a memory pool;  
a processor coupled to the memory pool, configured to:  
determine an appropriate amount of committed memory in a memory pool;  
maintain ~~[[a]]~~ the memory pool;  
determine that an amount of memory in the memory pool is required for allocation; and  
allocate the required amount of memory from an uncommitted portion of the memory pool to a process.